

10/733,507

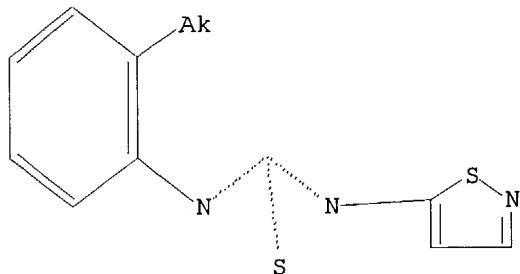
=> file caplus
FILE 'CPLUS' ENTERED AT 10:37:24 ON 23 JUN 2004
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FILE COVERS 1907 - 23 Jun 2004 VOL 140 ISS 26
FILE LAST UPDATED: 22 Jun 2004 (20040622/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d que
L1 STR



G1 O,S

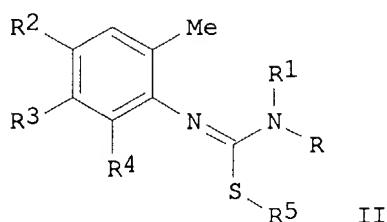
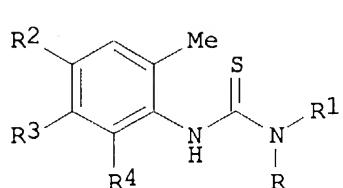
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L3 1 SEA FILE=REGISTRY SSS FUL L1
L4 2 SEA FILE=CPLUS L3

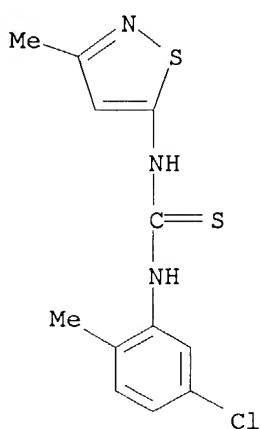
=> d 14 1-2 ibib abs hitstr

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:730552 CAPLUS
DOCUMENT NUMBER: 137:247704
TITLE: Preparation of substituted 1-aryl-3-heteroaryl-thioureas (or isothioureas) as antiatherosclerotic agents
INVENTOR(S): Steffan, Robert J.; Failli, Amedeo A.
PATENT ASSIGNEE(S): Wyeth, John, and Brother Ltd., USA
SOURCE: U.S., 9 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6455566	B1	20020924	US 1998-145909	19980902
US 2003013747	A1	20030116	US 2002-212888	20020806
US 6686476	B2	20040203		
PRIORITY APPLN. INFO.:			US 1997-56307P	P 19970903
			US 1998-145909	A3 19980902
OTHER SOURCE(S):		MARPAT 137:247704		
GI				



- AB The title compds. [I or II; R = (un)substituted pyrazolyl, thiazolyl, thiadiazolyl, etc.; R1 = H, alkyl; R2-R4 = H, halo; R5 = alkyl] and their pharmaceutically acceptable salts, were prep'd. Thus, reacting 5-chloro-2-methylphenyl isothiocyanate with 2-aminothiazole afforded 77% 1-(5-chloro-2-methylphenyl)-3-(thiazol-2-yl)thiourea which showed HDL cholesterol level increase at 100 mg/kg/day in rats.
- IT **221089-35-6P**
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of substituted 1-aryl-3-heteroaryl-thioureas (or isothioureas) as antiatherosclerotic agents)
- RN 221089-35-6 CAPLUS
CN Thiourea, N-(5-chloro-2-methylphenyl)-N'-(3-methyl-5-isothiazolyl)- (9CI) (CA INDEX NAME)



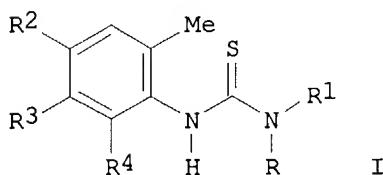
REFERENCE COUNT: 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ACCESSION NUMBER: 1999:184250 CAPLUS
 DOCUMENT NUMBER: 130:223267
 TITLE: Preparation of substituted 1-aryl-3-heteroarylthioureas and isothioureas as antiatherosclerotic agents
 INVENTOR(S): Steffan, Robert John; Failli, Amedeo Arturo
 PATENT ASSIGNEE(S): American Home Products Corporation, USA
 SOURCE: PCT Int. Appl., 43 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

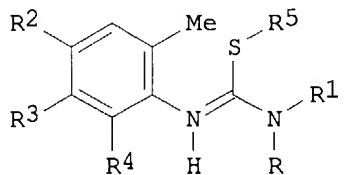
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9911638	A1	19990311	WO 1998-US17959	19980831
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
TW 415942	B	20001221	TW 1998-87113414	19980814
AU 9889240	A1	19990322	AU 1998-89240	19980831
ZA 9807973	A	20000322	ZA 1998-7973	19980901
PRIORITY APPLN. INFO.:			US 1997-922299	A 19970903
			WO 1998-US17959	W 19980831

OTHER SOURCE(S): MARPAT 130:223267

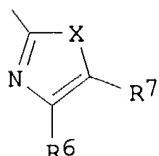
GI



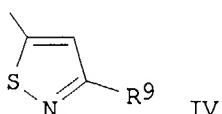
I



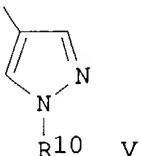
II



III



IV



V

AB The title compds. [I or II; R = III-V, etc. (wherein R9, R10 = H, alkyl; R6, R7 = H, alkyl, $\text{CH}_2\text{COOR8}$; R8 = alkyl; X = O, S); R1 = H, alkyl; R2-R4 = H, halo; R5 = alkyl] and their pharmaceutically acceptable salts, useful in treating atherosclerosis, dyslipoproteinemia, and cardiovascular disease, were prep'd. Thus, reaction of 2-chloro-6-methylphenyl

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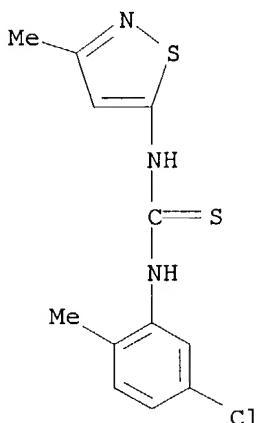
isothiocyanate with 2-amino-4-methyloxazole afforded 39% I [R = H; R1 = 4-methyloxazol-2-yl; R2 = R3 = H; R4 = Cl] which showed 193% HDL cholesterol level increase at 100 mg/kg for 8 days.

IT 221089-35-6P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of substituted 1-aryl-3-heteroarylthioureas and isothioureas as antiatherosclerotic agents)

RN 221089-35-6 CAPLUS

CN Thiourea, N-(5-chloro-2-methylphenyl)-N'-(3-methyl-5-isothiazolyl)- (9CI)
(CA INDEX NAME)



REFERENCE COUNT:

16

THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> file uspatall

FILE 'USPATFULL' ENTERED AT 10:38:13 ON 23 JUN 2004

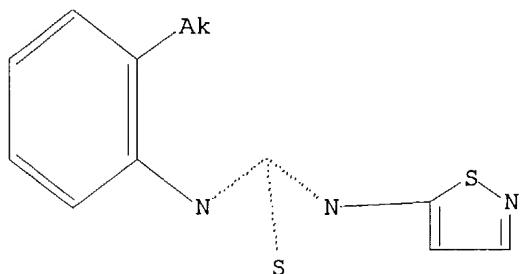
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FILE 'USPAT2' ENTERED AT 10:38:13 ON 23 JUN 2004

CA INDEXING COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

=> d que

L1 STR



G1 O,S

Structure attributes must be viewed using STN Express query preparation.

L3 1 SEA FILE=REGISTRY SSS FUL L1

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L5 3 SEA L3

=> d 15 1-3 ibib abs hitstr

L5 ANSWER 1 OF 3 USPATFULL on STN
ACCESSION NUMBER: 2003:17993 USPATFULL
TITLE: Novel substituted 1-aryl-3-heteroaryl-thioureas and substituted 1-aryl-3-heteroaryl-isothioureas as antiatherosclerotic agents
INVENTOR(S): Steffan, Robert J., Langhorne, PA, UNITED STATES
Failli, Amedeo A., Princeton Junction, NJ, UNITED STATES
PATENT ASSIGNEE(S): Wyeth, Madison, NJ, 07940-0874 (2)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003013747	A1	20030116
	US 6686476	B2	20040203
APPLICATION INFO.:	US 2002-212888	A1	20020806 (10)
RELATED APPLN. INFO.:	Division of Ser. No. US 1998-145909, filed on 2 Sep 1998, GRANTED, Pat. No. US 6455566		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-56307P	19970903 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Michael R. Nagy, 5 Giralda Farms, Madison, NJ, 07940	
NUMBER OF CLAIMS:	28	
EXEMPLARY CLAIM:	1	
LINE COUNT:	860	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Antiatherosclerotic agents are provided which are represented by Formulas I or II: ##STR1##

wherein

R is ##STR2##

wherein R.sub.9, R.sub.10, R.sub.11, R.sub.12, R.sub.13, and R.sub.14 are each, independently, hydrogen or a lower alkyl of 1-6 carbon atoms;

R.sub.6, and R.sub.7 are each, independently, hydrogen, lower alkyl of 1-6 carbon atoms, or CH.sub.2COOR.sub.8, where R.sub.8 is a lower alkyl of 1-6 carbon atoms; and

X is O or S;

R.sub.1 is hydrogen or a lower alkyl of 1-6 carbon atoms;

R.sub.2, R.sub.3, and R.sub.4 are each, independently, hydrogen or halogen; and

R.sub.5 is a lower alkyl of 1-6 carbon atoms;

or a pharmaceutically acceptable salt thereof.

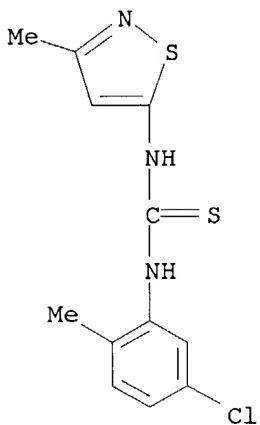
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 221089-35-6P

(prepn. of substituted 1-aryl-3-heteroaryl-thioureas (or isothioureas)

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as antiatherosclerotic agents)
RN 221089-35-6 USPATFULL
CN Thiourea, N-(5-chloro-2-methylphenyl)-N'-(3-methyl-5-isothiazolyl)- (9CI)
(CA INDEX NAME)



L5 ANSWER 2 OF 3 USPATFULL on STN
ACCESSION NUMBER: 2002:246768 USPATFULL
TITLE: Substituted 1-aryl-3-heteroaryl-thioureas (or
isothioureas) as antiatherosclerotic agents
INVENTOR(S): Steffan, Robert J., Langhorne, PA, United States
Failli, Amedeo A., Princeton Junction, NJ, United
States
PATENT ASSIGNEE(S): Wyeth, Madison, NJ, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6455566	B1	20020924
APPLICATION INFO.:	US 1998-145909		19980902 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-56307P	19970903 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Ford, John M.	
LEGAL REPRESENTATIVE:	Nagy, Michael R.	
NUMBER OF CLAIMS:	9	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	0 Drawing Figure(s); 0 Drawing Page(s)	
LINE COUNT:	742	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Antiatherosclerotic agents are provided which are represented by
Formulas I or II: ##STR1##

wherein

R is ##STR2##

wherein R.sub.9, R.sub.10, R.sub.11, R.sub.12, R.sub.13, and R.sub.14
are each, independently, hydrogen or a lower alkyl of 1-6 carbon atoms;
R.sub.6, and R.sub.7 are each, independently, hydrogen, lower alkyl of

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1-6 carbon atoms, or CH₂COOR₈, where R₈ is a lower alkyl of 1-6 carbon atoms; and

X is O or S;

R₁ is hydrogen or a lower alkyl of 1-6 carbon atoms;

R₂, R₃, and R₄ are each, independently, hydrogen or halogen; and

R₅ is a lower alkyl of 1-6 carbon atoms;

or a pharmaceutically acceptable salt thereof.

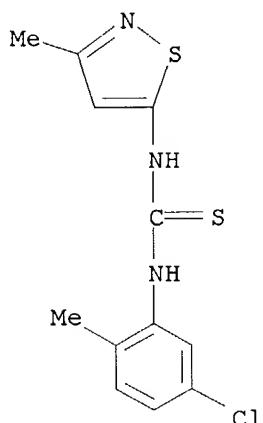
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 221089-35-6P

(prepn. of substituted 1-aryl-3-heteroaryl-thioureas (or isothioureas) as antiatherosclerotic agents)

RN 221089-35-6 USPATFULL

CN Thiourea, N-(5-chloro-2-methylphenyl)-N'-(3-methyl-5-isothiazolyl)- (9CI)
(CA INDEX NAME)



L5 ANSWER 3 OF 3 USPAT2 on STN

ACCESSION NUMBER: 2003:17993 USPAT2

TITLE: Substituted 1-aryl-3-heteroaryl-thioureas and
substituted 1-aryl-3-heteroaryl-isothioureas as
antiatherosclerotic agents

INVENTOR(S): Steffan, Robert J., Langhorne, PA, United States
Failli, Amedeo A., Princeton Junction, NJ, United
States

PATENT ASSIGNEE(S): Wyeth, Madison, NJ, United States (U.S. corporation)

NUMBER	KIND	DATE
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PATENT INFORMATION: US 6686476 B2 20040203

APPLICATION INFO.: US 2002-212888 20020806 (10)

RELATED APPLN. INFO.: Division of Ser. No. US 1998-145909, filed on 2 Sep
1998, now patented, Pat. No. US 6455566

NUMBER	DATE
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PRIORITY INFORMATION: US 1997-56307P 19970903 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Morris, Patricia L.
LEGAL REPRESENTATIVE: Nagy, Michael R.
NUMBER OF CLAIMS: 9
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 0 Drawing Figure(s); 0 Drawing Page(s)
LINE COUNT: 764

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Antiatherosclerotic agents are provided which are represented by
Formulas I or II: ##STR1##

wherein

R is ##STR2##

wherein R.sub.9, R.sub.10, R.sub.11, R.sub.12, R.sub.13, and R.sub.14
are each, independently, hydrogen or a lower alkyl of 1-6 carbon atoms;

R.sub.6, and R.sub.7 are each, independently, hydrogen, lower alkyl of
1-6 carbon atoms, or CH.sub.2COOR.sub.8, where R.sub.8 is a lower alkyl
of 1-6 carbon atoms; and

X is O or S;

R.sub.1 is hydrogen or a lower alkyl of 1-6 carbon atoms;

R.sub.2, R.sub.3, and R.sub.4 are each, independently, hydrogen or
halogen; and

R.sub.5 is a lower alkyl of 1-6 carbon atoms;

or a pharmaceutically acceptable salt thereof.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 221089-35-6P

(prepn. of substituted 1-aryl-3-heteroaryl-thioureas (or isothioureas)
as antiatherosclerotic agents)

RN 221089-35-6 USPAT2

CN Thiourea, N-(5-chloro-2-methylphenyl)-N'-(3-methyl-5-isothiazolyl)- (9CI)
(CA INDEX NAME)

